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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Capital Forest Products, Inc.  
Product Name: Railroad Ties (DISCONTINUED)



# MATERIAL SAFETY DATA SHEET

("essentially similar" to OSHA - 20)

**Notice:** The information herein is given in good faith but no warranty, express or implied, is made.

SECTION I - PRODUCT IDENTIFICATION							
MANUFACTURER'S NAME <b>OSMOSE WOOD PRESERVING CO. OF AMERICA, INC.</b>				EMERGENCY TELEPHONE NO. (404) 228-8434 1716: 882-5905			
ADDRESS 1016 Eversole Inn Road, Griffin, GA 30224 980 Ellicott Street, Buffalo, NY 14208				DATE FORM WRITTEN 7/1/84			
TRADE NAME <b>Osmose® Brand Pressure Treated Wood</b>				SYNONYMS <b>K-33®-C Brand CCA-C</b>			
SECTION II - HAZARDOUS INGREDIENTS							
MATERIAL & COMPONENT	CAS NO.	0.25 pct	0.4 pct	0.9 pct	1.0 pct	2.5 pct	TLV
		COMPONENT %*					
ARSENIC PENTOXIDE	1303-28-2	0.3	0.4	0.6	1.0	2.6	0.2 mg/m <sup>3</sup> as As
COPPER OXIDE	1317-39-1	0.15	0.2	0.3	0.8	1.3	1.0 mg/m <sup>3</sup> as Cu
TRIVALENT CHROMIUM	1308-38-9	0.4	0.5	0.9	1.4	3.3	0.5 mg/m <sup>3</sup> as Cr
*Based on the applicable retention and a wood density of 32 pcf. These values may vary due to variability of treatment and the natural variability of wood.							
**Not subject to OSHA arsenic standard 29 CFR 1910.1018.							
SECTION III - PHYSICAL DATA							
BOILING POINT, 760 MM HG	N.A.			MELTING POINT, N.A.			
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	ESSENTIALLY THAT OF WOOD			VAPOR PRESSURE, N.A.			
VAPOR DENSITY (AIR = 1)	N.A.			SOLUBILITY IN H <sub>2</sub> O % BY WT: HIGHLY INSOLUBLE			
% VOLATILES BY VOL.	N.A.			EVAPORATION RATE (BUOYAL ACETATE = 1): N.A.			
APPEARANCE AND ODOR	GREEN-YELLOW WOOD			PH (AS IS) N.A.		PH (1% SOLN) N.A.	
SECTION IV - FIRE AND EXPLOSION DATA							
FLASH POINT (TEST METHOD)	N.A.			AUTOIGNITION TEMPERATURE	> 265°C		
FLAMMABLE LIMITS IN AIR, % BY VOL	LOWER		N.A.		UPPER		N.A.
EXTINGUISHING MEDIA	<input checked="" type="checkbox"/> WATER FOG <input checked="" type="checkbox"/> FOAM		<input type="checkbox"/> ALCOHOL FOAM <input checked="" type="checkbox"/> CO <sub>2</sub>		<input checked="" type="checkbox"/> DRY CHEMICAL <input type="checkbox"/> OTHER		
SPECIAL FIRE FIGHTING PROCEDURES	TOXIC VAPORS FROM WOOD AND PRESERVATIVE MAY BE GIVEN OFF IN A FIRE.						
	WEAR FULL PROTECTIVE EQUIPMENT AND SELF-CONTAINED AIR UNIT.						
UNUSUAL FIRE AND EXPLOSION HAZARD	N.A.						

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	SEE SECTION II.
EFFECTS OF OVEREXPOSURE	Wood dust may cause skin irritation and breathing difficulty. Dry Osmose® Brand Pressure Treated Wood has a low order of toxicity, therefore, the above reactions are unlikely. When machining any type of wood a dust mask is recommended. FRESHLY TREATED "wet" wood presents a greater handling and machining risk; wear rubber gloves when handling and a dust mask or respirator when machining.
EMERGENCY AND FIRST AID PROCEDURES	WASH WITH SOAP AND WATER. FOR BREATHING, USE DUST MASK. (See Section VIII).

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	X
INCOMPATIBILITY (Materials to avoid)	N.A.	
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL: Ash will contain free arsenic and chromium and may be toxic.	
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	X

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Maintain a clean workplace. Clean up scrap lumber and sawdust. Wear a dust mask when cleaning up sawdust.
WASTE DISPOSAL METHOD
Dispose in accordance with all Federal, State and Local laws.
Dispose waste material in an approved landfill. DO NOT BURN. Ash may be toxic and a hazardous waste; combustion vapors may be toxic.
(Industrial generators of waste: call Osmose.)

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)	
When machining dry wood, a dust mask is recommended. For wet wood, a respirator may be required.	
VENTILATION	LOCAL EXHAUST N.A.
	SPECIAL N.A.
	MECHANICAL (General) When machining.
	OTHER N.A.
PROTECTIVE GLOVES - Rubber when handling wet wood. Leather to avoid splinters.	EYE PROTECTION To protect from sawdust
OTHER PROTECTIVE EQUIPMENT	
As necessary to limit exposure when handling wet wood.	

## SECTION IX - SPECIAL PRECAUTIONS OR OTHER PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
SEE LABEL: Use good personal hygiene, wash before eating and smoking. Specify only pressure treated wood treated with "oxidized" CCA preservatives and free from excess surface deposits of preservatives. Avoid handling and machining of freshly treated "wet" wood unless specified safety precautions are observed.